

# **ABSTRACT OF THE DISCLOSURE**

A gelatin-based substrate for fabricating protein arrays, the substrate containing: gelatin and a trifunctional compound A-L-B; wherein A is a functional group capable of interacting with the gelatin; L is a linking group  
5 functional group capable of interacting with A and with B; and B is a functional group capable of interacting with a protein capture agent. A may be the same or different from B.